

FIG. 1

The state of the s

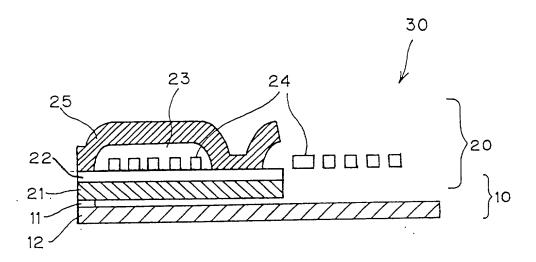


FIG.2

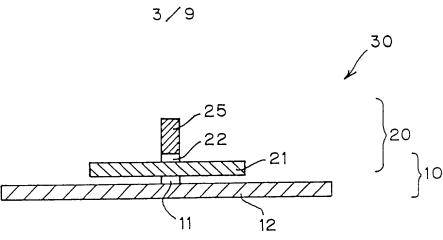


FIG.3

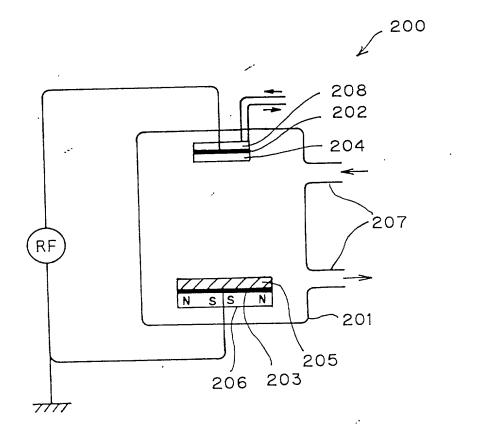
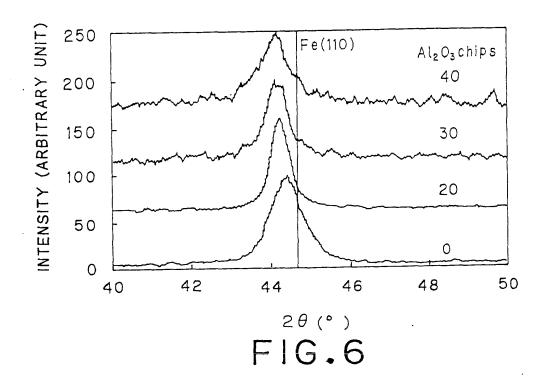


FIG.4

and the state of t



FIG.5



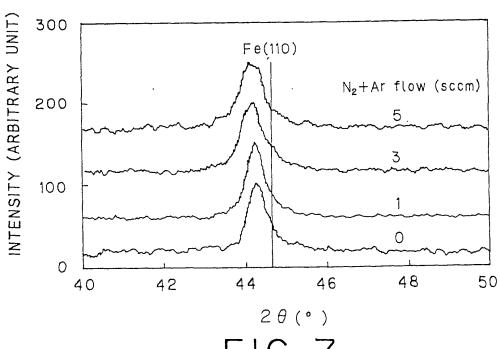


FIG.7

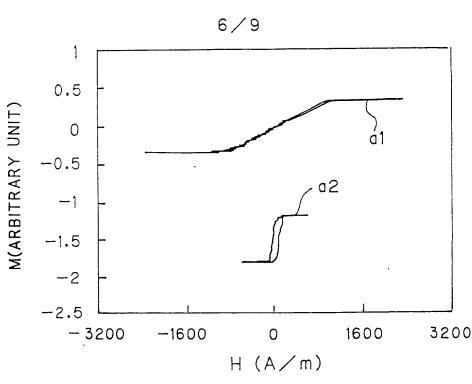


FIG.8

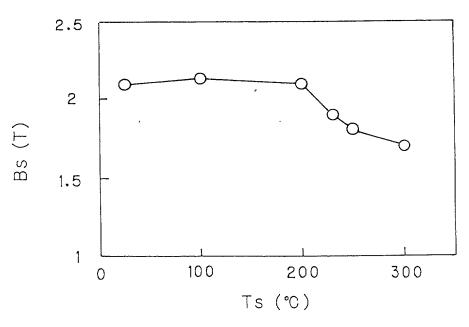
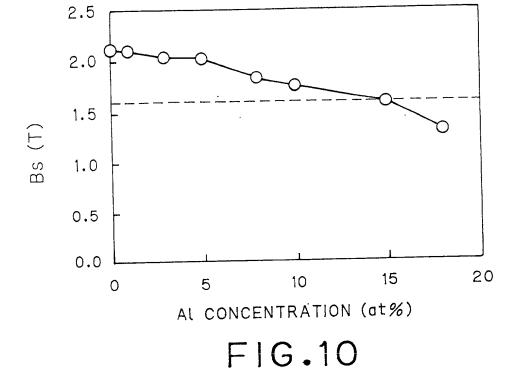


FIG.9



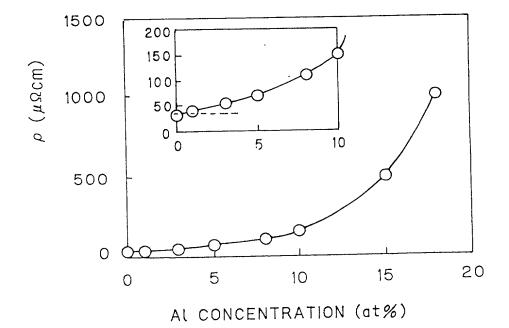


FIG.11

and the first and the second s

Sheet 8 of 9

(312) 360 0080

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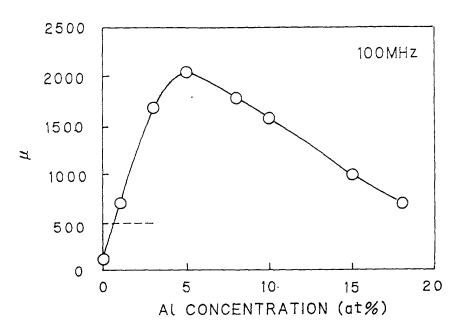
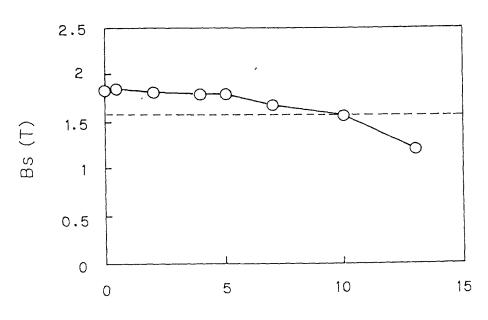
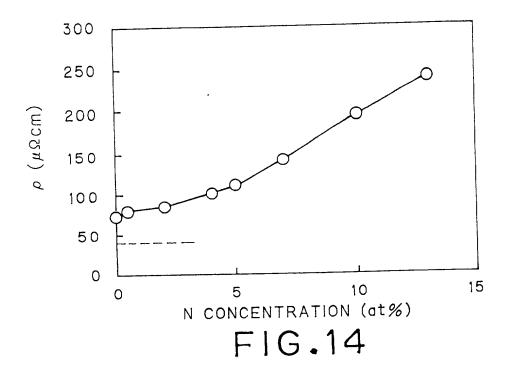


FIG.12



N CONCENTRATION (at%)

FIG.13



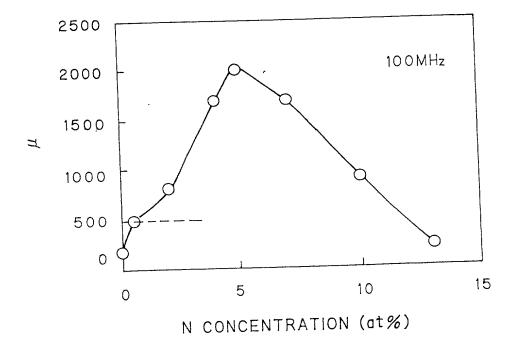


FIG.15